



## INITIAL INVESTIGATION FIELD REPORT

LUST ID: 471259

FS ID: 11191596

Site ID: 8394

SITE NAME Starvin Sams 14

### SITE LOCATION INFORMATION

<i>Contact Person Name</i>	<i>Title</i>	<i>Phone Number</i>	
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<i>Mailing Address</i>	<i>City</i>	<i>Zip + 4</i>	
200 36th St	Bellingham	98225	
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<i>Site Location</i>	<i>Closest City</i>	<i>County</i>	
200 36th St	Bellingham		
<hr/>			
<i>Quarter-Quarter</i>	<i>Section</i>	<i>Township</i>	<i>Range</i>
Latitude:	Degree	Minute	Second
Longitude:	Degree	Minute	Second

### INSPECTION INFORMATION

<i>Inspection Date</i>	<i>Inspection Time</i>	<i>Type of Entry Notice</i>
<i>Photographs</i> Yes    No <i>Videotape</i> Yes    No <i>Samples</i> Yes    No	<i>Weather:</i> Clear    Partly Cloudy    Overcast <i>Precipitation</i> <i>Wind Direction</i>	<i>Temperature</i> <i>Wind Speed</i>

### RECOMMENDATION

No Further Action:

No

*Release or threatened release does not pose a threat*

*Site Hazard Assessment*

*No release or threatened release*

*Interim Action*

*Educational Mailing*

*Emergency Action Plan*

*Refer to another program/agency*

*Independent Cleanup Action*

*In Progress*

*Completed*

### CONTAMINANT(S) (See Page 3 for details)

<i>Soil</i>	Yes	Gas, BTEX, diesel,
<i>Groundwater</i>	Yes	

### DEPARTMENT REVIEW

<i>Investigator</i>	<i>Date</i>
<i>Approved by</i>	
<i>Unit Supervisor</i> <i>DEO</i>	<i>Date</i> <i>6/7/11</i>
<i>Section Manager</i>	<i>Date</i>

### COMMENTS

The file for this site encompasses a long time. The initial work was for the removal of four gas USTs in 1991 and the installation of new replacement tanks. The station was being decommissioned (Arco) and a new station (Unocal) was being built. PCS was overexcavated since a notice of violation was noted for PCS originating from the site being stockpiled at another property on the 3900 block of Telstar South w/o the proper containment. The amount of PCS is unknown. The consultant collected only one sample under each tank and no sidewall samples and only analyzed three of the samples. The results of these

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three samples indicated that soils under three of the gas tanks were below MTCA for TPH, lead, and BTEX. No GW was encountered during excavation. Three copies of a report for the same removals were observed in the file with slightly different results. Consultant claims he collected 8 soil samples from bottom, sidewalls, and stockpiled soils but only 5 samples are included with the report and most of the attached data are for QA/QC samples not the actual soil samples. It is unclear what happened to the PCS stockpiled in another property from the 1991 UST removals. It seems that the same four replacement USTs (gas, diesel) installed in 1991 were removed from a single excavation at this property in 1994. The removal was conducted by the same consultant. Approx. 380 cy of PCS were overexcavated and reportedly landfarmed on-site but no documents/info exists of the landfarming results or final disposition of the soils. No GW was encountered during excavation. The report indicated that confirmation one sample per tank bottom and two sidewall composites were collected. Results from these soil samples were below MTCA for gas, diesel, and BTEX but only selected analyses were conducted in each sample even though it was a common excavation. A 1995 Phase I ESA indicated the site was an active UNOCAL station in 1994 with three gas USTs, one diesel, two WO, one HO tanks, two hydraulic hoists, and an abandoned o/w separator formerly connected to a storm drain. Several 55-gal. drums of waste oil and antifreeze were also observed. Tosco bought the station from Unocal in 1997 and a soil gas survey was conducted to provide a baseline of hydrocarbon impacts in soil for the site. An interpretation of the data was not provided but the presence of hydrocarbons in soil was identified around the USTs. The HO and one of the WO USTs (common excavation) were removed in 1998 and the dispenser islands were modified so PCS was also excavated from them. Approximately 8 cy of PCS were overexcavated from the dispenser island excavation and were deemed below MTCA through sampling. This soil was used to backfill the UST excavation. Approx. 25 cy of PCS were overexcavated from the UST excavation and stockpiled on-site. Confirmation soil samples from the UST excavation were above MTCA for diesel (446 to 5,500 ppm) and oil (277 to 1,780 ppm). Pesticides, PCBs, and HVOCs were not detected and were below MTCA for metals in one bottom sample collected from the WO UST. A subsurface soil investigation was conducted in Dec. 1998 by advancing eight pushprobes throughout the site. Results of soil and GW samples collected were detected above MTCA for gas, BTEX, and diesel. Another investigation was conducted in 1999 when several monitoring wells were installed along the property line. Gas was detected above MTCA in one well and lead was detected above MTCA in GW on three different wells. In 2002, Tosco sold the site to Keith oil and product lines were replaced at the site. Approx. 230 cy of PCS were overexcavated along the product lines and dispenser islands and since gas and BTEX were above MTCA, an AS/VES system was installed to treat impacted soils. The site entered the VCP in 2005 for a review and Ecology issued a series of requirements for an NFA in 2006. Ecology requested: characterization of the hydraulic hoist release and o/w separator, installation of additional wells near the dispenser islands, hoists, o/w separator/ HO/WO USTs and north of the gas USTs; and to address soil impacts at the site or place a restrictive covenant. Several additional wells and soil borings were installed/advanced to address Ecology's concerns. Residual soil impacts and impacted GW remained throughout the site as diesel, gas, BTEX (above MTCA soil: 150 ppm gas, 0.068 ppm B; GW: 780 ppb). The site has been under quarterly monitoring since 1992. The last quarterly report for 8/2010 indicated that all wells were below MTCA for gas, diesel, oil, and BTEX for several quarters except one well that was 1,200 ppb in June 2010, and 181 ppb in August. No additional info in file.

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